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10/709,611 **Application Number Certificate TRANSMITTAL** 05/18/2004 Filing Date Li-Ming Tseng **FORM** First Named Inventor APR 2 0 2006 2636 Art Unit NGUYEN, HUNG T of Correction **Examiner Name** (to be used for all correspondence after initial filing) ACMP0046USA Attorney Docket Number Total Number of Pages in This Submission

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	ENCLOSURES (Check all that	apply)	After Allowance Communication to TC		
Fee Transmittal Form	Drawing(s) Licensing-related Papers	\L [Appeal Communication to Board of Appeals and Interferences		
Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53	Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund CD, Number of CD(s) Landscape Table on CD Remarks Request for Certificate of Correction				
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I hereby certify that this correspondence is sufficient postage as first class mail in an	s being facsimile transmitted to the USPT envelope addressed to: Commissioner fo	O or depor	sited with the United States Postal Service wit P.O. Box 1450, Alexandria, VA 22313-1450 o		

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FEE TRANSMITTAL For FY 2005

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	Complete if Known
Application Number	10/709,611
Filing Date	05/18/2004
First Named Inventor	Li-Ming Tseng
	NGUYEN, HUNG T
Examiner Name	2636
Art Unit	ACMP0046USA
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Applicant claims small entity status. See 37 CFR 1.27				-	Art Unit	2636		
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FE	E CALCULATION							
1.	BASIC FILING, SEA	FILING	Small Entity	UL 11	CH FEES Small Entity	EXAMINA Fee (\$)	TION FEES mall Entity Fee (\$)	Fees Paid (\$)
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1	Plant Reissue	300	150	500	250	600	300	
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1 2	EXCESS CLAIM F	EES					Fee (\$)	Fee (\$)
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SUBMITTED BY Telephone 3027291562 Registration No. 41,526 (Attorney/Agent) Wanter botomic Signature Date APR 17 Winston Hsu

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the gathering, preparing, and submitting the completed process. P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 7,023,352 B2

Issue Date: Apr. 4, 2006

Inventor : Li-Ming Tseng et al.

Docket No.: ACMP0046USA

Title: VOLTAGE-DETECTING METHOD AND RELATED CIRCUITS

To: Commissioner for Patents

P.O. BOX 1450

Alexandria, VA 22313-1450

Subject: Request for Certificate of Correction of Office Mistake

The name of the second inventor listed on the front page of the Patent is incorrect (Attachment 1). Documents on record indicate this as an Office mistake of consequence.

The applicant hereby requests that a Certificate of Correction be issued under 37 CFR 1.322 to correct the name of the assignee from **Jen-Hong Lan** to **Jen-Hong Larn** which was correctly listed on the Corrected Filing Receipt dated 08/03/2004 (Attachment 2) and the Notice of Recordation dated 05/18/2004 (Attachment 3).

Respectfully submitted,

Wintentan Date: APR 17 2006

Winston Hsu, Patent Agent No. 41,526

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562 Facsimile: 806-498-6673

e-mail: winstonhsu@naipo.com

(Note: Please leave a message in my voice mail if you need to talk to me. The time in D.C. is 13 hours behind the Taiwan time, i.e. 9 AM in D.C. = 10 PM in Taiwan).



(12) United States Patent Tseng et al.

(10) Patent No.:

US 7,023,352 B2

(45) Date of Patent:

Apr. 4, 2006

(54) VOLTAGE-DETECTING METHOD AND RELATED CIRCUITS

(75) Inventors: Li-Ming Tseng, Taipei (TW):

Jen-Hong Lan I-Lan Hsien (TW)

(73) Assignee: **BenQ Corporation**, Tao-Yuan Hsien (TW)

*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 133 days.

(21) Appl. No.: 10/709,611

(22) Filed: May 18, 2004

(65) Prior Publication Data

US 2004/0233064 A1 Nov. 25, 2004

(51) Int. Cl. G08B 21/00 (2006.01)

(58)

(52) · **U.S. Cl.** 340/636.1; 340/636.12; 340/636.15; 340/635; 340/653; 340/660; 340/662; 340/663; 320/136; 320/150

340/636.12, 636.15; 635, 653, 660, 662, 340/663; 320/124, 125, 136, 150, 151, 153 See application file for complete search history.

(56) References Cited

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5,900,717 A	*	5/1999	Lee	320/150

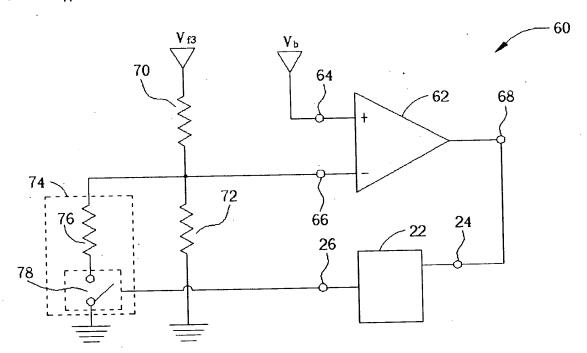
* cited by examiner

Primary Examiner—Hung Nguyen (74) Attorney, Agent, or Firm—Winston Hsu

57) ABSTRACT

A voltage-detecting circuit includes a CPU, a comparator, a first resistor, a second resistor, and at least a power level segment detector connected in parallel with the first resistor, the power level segment detector having a third resistor and a first switch serially connected to the third resistor. The battery is electrically connected to a first input end of the comparator. The first resistor is electrically connected between a second input end of the comparator and a reference voltage. The second resistor is electrically connected between the second input end of the comparator and ground. The method includes outputting a control signal with the CPU to control the first switch by determining voltage levels at the output end of the comparator, and outputting a power indication signal with the CPU to indicate the voltage level of the battery by determining voltage levels at the output end of the comparator.

20 Claims, 3 Drawing Sheets





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CONFIRMATION NO. 3610

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MERRIFIELD, VA 22116

CORRECTED FILING RECEIPT *OC00000013423828*

93. 8.

Date Mailed: 08/03/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Li-Ming Tseng, Taipei City, TAIWAN; Jen-Hong Lam I-Lan Hsien, TAIWAN;

Domestic Priority data as claimed by applicant

Foreign Applications

TAIWAN 092113640 05/20/2003

If Required, Foreign Filing License Granted: 07/01/2004

Projected Publication Date: 11/25/2004

Non-Publication Request: No

From 北美高千惠

Receipt / page

AUG 1 0 2004

Early Publication Request: No

Title

VOLTAGE-DETECTING METHOD AND RELATED CIRCUITS

Preliminary Class

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RECORDATION DATE: 05/18/2004

REEL/FRAME: 014622/0795

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TSENG, LI-MING

DOC DATE: 05/10/2004

ASSIGNOR:

LARN, JEN-HONG

DOC DATE: 05/10/2004

ASSIGNEE:

BENO CORPORATION

NO. 157, SHAN-YING ROAD, GUEISHAN

TAO-YUAN HSIEN, TAIWAN

SERIAL NUMBER: 10709611

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: VOLTAGE-DETECTING METHOD AND RELATED CIRCUITS

DOCKET NUMBER: ACMP0046USA

014622/0795 PAGE 2

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